

What is claimed is:

1. A toner for an image-forming apparatus, which has a cleaning means with a cleaning blade to remove a residual toner remaining on a surface of a photoconductive member after transfer;
the toner comprising:
a colored polymer particle having an average circle degree in the range of 0.95 - 0.995 and a volume average particle diameter in the range of 3 - 8 μm ,
and
an external additive;
wherein the toner has an absolute value of charge amount in the range of 20 – 70 $\mu\text{C/g}$ in a toner layer formed on a developing roll when the toner is used with the image-forming apparatus.
2. The toner according to claim 1, wherein the colored polymer particle further comprises a parting agent.
3. The toner according to claim 1, wherein the colored polymer particle has a core-shell structure.
4. The toner according to claim 1, wherein the average number of particles of the external additive, having a particle diameter in the range of 0.1 – 3.0 μm , on the surface of the colored polymer particle, is in the range of 3 – 500 particles per single colored polymer particle.
5. The toner according to claim 1,
wherein the colored polymer particle has such a particle diameter distribution that

particles with diameter not larger than 4 μm is in the portion of 3 – 70 number percent.

6. The toner according to claim 1, wherein the colored polymer particle further comprises a charge control resin with a weight average molecular weight in the range of 2,000 – 50,000.

7. An image-forming method comprising the steps of:
providing an image-forming apparatus having a cleaning means with a cleaning blade to remove a residual toner remaining on a surface of a photoconductive member after transfer;
supplying a toner to the image-forming apparatus,
which toner comprises
a colored polymer particle having an average circle degree in the range of 0.95 - 0.995 and a volume average particle diameter in the range of 3 - 8 μm and
an external additive,
wherein the toner has an absolute value of charge amount in the range of 20 – 70 $\mu\text{C/g}$ in a toner layer formed on a developing roll when the toner is used with the image-forming apparatus; and
forming an image by the toner and the image-forming apparatus.

8. The image-forming method according to claim 7, wherein the cleaning blade has a hardness (JIS-A) in the range of 60 – 90.

9. The image-forming method according to claim 7, wherein the cleaning blade has a rebound resilience in the range of 30 – 70 %.

10. The image-forming method according to claim 7, wherein the angle between the

surface of the photoconductive member and the axis of the cleaning blade at the cross point of the photoconductive member and the cleaning blade is in the range of 20 – 30 °.

11. The image-forming method according to claim 7, wherein the colored polymer particle further comprises a parting agent.

12. The image-forming method according to claim 7, wherein the colored polymer particle has a core-shell structure.

13. The image-forming method according to claim 7, wherein the average number of particles of the external additive, having a particle diameter in the range of 0.1 – 3.0 μm , on the surface of the colored polymer particle, is in the range of 3 – 500 particles per single colored polymer particle.

14. The image-forming method according to claim 7, wherein the colored polymer particle has such a particle diameter distribution that particles with diameter not larger than 4 μm is in the portion of 3 – 70 number percent.

15. The image-forming method according to claim 7, wherein the colored polymer particle further comprises a charge control resin with a weight average molecular weight in the range of 2,000 – 50,000.

16. The image-forming method according to claim 7, wherein the step of forming the image further comprises:

a step of electrifying the surface of the photoconductive member with an electrifying roll;

a step of light irradiation for forming an electrostatic invisible image by means of a

light irradiation device;

a developing step, where the toner is attached to the electrostatic invisible image to form a toner image by means of a developing device;

a step of transferring the toner image formed on the photoconductive member onto a transferring material by means of a transfer roll; and

a cleaning step for removing a residual toner remaining on the surface of the photoconductive member after transfer, with the cleaning blade.

17. An image-forming apparatus comprising a cleaning means with a cleaning blade to remove a residual toner remaining on a surface of a photoconductive member after transfer, the cleaning blade having a hardness (JIS-A) in the range of 60 – 90.

18. The image-forming apparatus according to claim 17, wherein the cleaning blade has a rebound resilience in the range of 30 – 70 %.

19. The image-forming apparatus according to claim 17, wherein the angle between the surface of the photoconductive member and the axis of the cleaning blade at the cross point of the photoconductive member and the cleaning blade is in the range of 20 – 30 °.